



Dale Haines  
Operations Manager

**Chevron North America  
Exploration and Production**  
909 West 9<sup>th</sup> Avenue  
P.O. Box 196247  
Anchorage, AK 99519-6247  
Tel 907 263 7951  
Fax 907 263 7698  
Email daleah@chevron.com

Division of Water  
Anchorage

MAY - 3 2011

RECEIVED

SCANNED

SP 5/5 2339.48.006

April 28, 2011

Mr. Chae Park  
U.S. Environmental Protection Agency  
Region 10, Water Compliance Section  
1200 Sixth Avenue, OW-133  
Seattle, Washington 98101

RETURN RECEIPT REQUESTED  
CERTIFIED MAIL: 91 7199 9991 7030 0644 1012

Re: REVISED Discharge Monitoring Reports  
NPDES Permit No. AKG-31-5000

Dear Mr. Park:

Union Oil Company of California ("UOCC") operates the Anna Platform (AKG-31-5004), Bruce Platform (AKG-31-5006), Baker Platform (AKG-31-5005), Dillon Platform (AKG-31-5007), Dolly Varden Platform (AKG-31-5009), Granite Point Platform (AKG-31-5015), Granite Point Tank Farm (AKG-31-5001), Grayling Platform (AKG-31-5016), King Salmon (AKG-31-5008), Monopod Platform (AKG-31-5017), Steelhead Platform (AKG-31-5019) and Trading Bay Production Facility (AKG-31-5002). As part of our efforts to comply with the Cook Inlet NPDES General Permit AKG-31-5000 and applicable laws and regulations, UOCC performed an internal audit of all the Discharge Monitoring Reports (DMRs) and WET Full Reports submitted for the year 2010 and identified those that require revision. None of the changes result in any violations of permit conditions.

A list of revised DMRs is presented below in Table 1. Also listed is a WET Full Report Revision presented below in Table 2. Photocopies of the unaltered DMRs and Full WET Report, and the corrected DMRs in the new format and Full WET Report are attached. Consistent with the

Mr. Chae Park  
US Environmental Protection Agency  
April 28, 2011  
Page 2

authorization in your e-mail of September 16, 2010, this letter certifies all of the 86 pages of revised DMRs and the one page of revised WET report attached to this letter.

If you have any questions regarding these reports, please contact Ms. Marilu Moreno-Jones at (907) 263-7305 or via e-mail at [mmjones@Chevron.com](mailto:mmjones@Chevron.com).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Dale A. Haines

cc: ADEC / Certified Mail 91 7199 9991 7030 0644 1029

**Table 1. DMR Revisions**

**January 2010**

Facility	Parameter	Reason for Revision
Bruce Platform	Non-Contact Cooling Water flow rates 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.000450 for monthly average, and 0.000600 for the daily max.
Grayling Platform	Average Deck Drainage Sent to Onshore Facility	Database calculation error. The actual value is 0.000777.
Grayling Platform	Waterflooding Discharge average flow rate 50050 1 1	Database calculation error. The actual value is 1.267244.
Monopod Platform	Waterflooding Discharge average flow rate 50050 1 1	Database calculation error. The actual value is 1.516513.

**March 2010**

Facility	Parameter	Reason for Revision
Bruce Platform	Non-Contact Cooling Water flow rates 50050 1 1	Operator did not enter data before the reporting date. The actual value is 0.000433 for monthly average, and 0.001200 for the daily max.
Trading Bay Production Facility	Produced Water average flow rate 50050 1 0	Database calculation error. The actual value is 3.759629.
Trading Bay Production Facility	Estimated Workover Fluid flow rate	Database calculation error. The actual value is 0.017855.
Trading Bay Production Facility	Zinc, Total Recoverable 01094 1 0	Formatting error in the database. NPDES format limits the value to the tenths place. We changed the format to the hundredths place in order to avoid a recording of 0. The actual value is 0.03.

**April 2010**

Facility	Parameter	Reason for Revision
Bruce Platform	Non-Contact Cooling Water flow rates 50050 1 1	Electronic error occurred during the printing of the DMR form. The actual value is 0.000388 for monthly average, and 0.000600 for the daily max.

**May 2010**

Facility	Parameter	Reason for Revision
Bruce Platform	Non-Contact Cooling Water flow rates 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.000300 for the monthly average, and 0.000300 for the daily max.
Bruce Platform	Fire Control System Test Water average flow rate 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.006000.
Dolly Varden Platform	Fire Control System Test Water average flow rate 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.008985.
Granite Point Platform	BOD, 5-day, 20 deg. C 00310 0 1	BOD results were reported as M10 Biological Unit and should have been reported as M10 MSD.
Granite Point Tank Farm	Mercury, Total (as Hg) 71900 1 0	Typo error. Mercury result was reported in mg/L and should have been reported in µg/L. The actual value is 0.1 µg/L.
Trading Bay Production Facility	Mercury, Total (as Hg) 71900 1 0	Typo error. Mercury result was reported in mg/L and should have been reported in µg/L. The actual value is 0.2 µg/L.

#### June 2010

Facility	Parameter	Reason for Revision
Anna Platform	Fire Control System Test Water average flow rate 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.020000.
Anna Platform	Non-Contact Cooling Water average flow rate 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.000250.
Bruce Platform	Fire Control System Test Water average flow rate 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.006000.
Bruce Platform	Non-Contact Cooling Water flow rates 50050 1 1	Database did not transfer flow rate to the DMR form. The actual value is 0.000300 for the monthly average, and 0.000300 for the daily max.
Granite Point Tank Farm	Mercury, Total (as Hq) 71900 1 0	Mercury result was reported in mg/L and should have been reported in µg/L. The actual value is 0.2 µg/L.
Trading Bay Production Facility	Mercury, Total (as Hq) 71900 1 0	Mercury result was reported in mg/L and should have been reported in µg/L. The actual value is 0.2 µg/L.

#### July 2010

Facility	Parameter	Reason for Revision
Granite Point Platform	BOD, 5-day, 20 deg. C 00310 O 1	BOD results were reported as M10 Biological Unit and should have been reported as M10 MSD.

#### December 2010

Facility	Parameter	Reason for Revision
Trading Bay Production Facility	Estimated Completion Fluid Flow Rate	Database calculation error. The actual value is 0.033222.

#### May-December 2010

Facility	Parameter	Reason for Revision
Anna, Baker, Bruce, Dillon, and Grayling Platforms	Produced Water and Sand form 0-15A	New DMR requirements include additional forms with no discharges. This PW form was not included on the original request from EPA but was added later after collaboration with the EPA data steward. We are providing these forms to be consistent with the current DMR reporting requirements.

Table 2. 2010 WET Full Report Revision

Facility	Quarter	Parameter	Reason for Revision
King Salmon Platform	3 Qtr. 2010	Waterflood Flow Rate at time of sample collection	The flow rate reported was for the 31 <sup>st</sup> of July and not the 30 <sup>th</sup> . The actual value is 0.367088.

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

## DISCHARGE MONITORING REPORT (DMR)

Form Approved  
OMB No. 2040-0004REVISED  
04/28/2011

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: UNION OIL COMPANY OF CALIFORNIA (UNOCAL)  
 ADDRESS: P.O. BOX 196247  
 ANCHORAGE, AK 99519-6247  
 FACILITY: TRADING BAY TREATMENT FACILITY  
 LOCATION: COOK INLET, Alaska  
 ATTN: JOHN ZAGER, GENERAL MANAGER

AKG315002  
PERMIT NUMBER015-A  
DISCHARGE NUMBER

DMR Mailing ZIP CODE: 99519  
 MINOR  
 (SUBR 02)  
 PRODUCED WATER AND SAND  
 External Outfall

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM 03/01/2010		TO 03/31/2010	

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****	*****	NA	*****	NA	NA	NA	NA	NA
00400 V 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Monthly	GRAB
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.0	*****	7.5	SU	0	Weekly	GRAB
00400 W 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
03582 T 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	29 MO AVG	42 DAILY MX	mg/L		Weekly	GRAB
Oil and grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	21	30	mg/L	0	Weekly	COMP24
03582 U 0 See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	29 MO AVG	42 DAILY MX	mg/L		Weekly	COMP24
Flow, in conduit or thru treatment plant*	SAMPLE MEASUREMENT	3.759629	3.777396	Mgal/d	*****	*****	*****	*****	NA	Monthly	ESTIMA
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****	*****		Monthly	ESTIMA
Produced water, free oil	SAMPLE MEASUREMENT	*****	NA	NA	*****	*****	*****	*****	NA	NA	NA
79834 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. MO TOTAL	occur/mo	*****	*****	*****	*****		Daily	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE	
John Zager, General Manager Mid Continent/Alaska Business Unit		(907) 276-7600		04/28/2011	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA Code	NUMBER

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NO DISCHARGE OF PRODUCED SAND IS ALLOWED  
 T = GRAB SAMPLE  
 U = COMPOSIT SAMPLE  
 V = DISCHARGE < 1 MGD (PREVIOUS MONTHS AVG RATE)  
 W = DISCHARGE > 1 MGD (PREVIOUS MONTHS AVG RATE)

\* Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.  
 Estimated workover fluid flow rate: 0.017855 MGD  
 Estimated completion fluid flow rate: 0.02751 MGD

04/28/2011 Revision: Produced Water Average Monthly Discharge and Workover fluid were misreported.

COPY

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

NAME Union Oil Company of California  
 ADDRESS Attn: John Zager  
 P.O. Box 196247  
 Anchorage, AK 99519-6247  
 FACILITY Trading Bay Production Facility  
 LOCATION Cook Inlet, Alaska

(2-16)			(17-19)			
AKG-31-5002			015			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	03	01		10	03	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (45-53)			(4 Card Only) (38-45)			(5 Card Only) (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS								
015 Produced Water Flow Rate *	SAMPLE MEASUREMENT	3.640767	3.777396	MGD								Weekly	Estimate			
	PERMIT REQUIREMENT	Report	Report	MGD								Weekly	Estimate			
015 Produced Water Produced Sand	SAMPLE MEASUREMENT							No Discharge				-	-			
	PERMIT REQUIREMENT							No Discharge				-	-			
015 Produced Water pH**	SAMPLE MEASUREMENT				7.0			7.5	su	0		6 / Month	Grab			
	PERMIT REQUIREMENT				6			9	su			Weekly	Grab			
015 Produced Water Oil and Grease***	SAMPLE MEASUREMENT					21		30	mg/L	0		Weekly	Grab Average			
	PERMIT REQUIREMENT					29		42	mg/l			Weekly	Grab Average			
015 Produced Water Copper	SAMPLE MEASUREMENT					2		2	ug/l	0		Monthly	Grab			
	PERMIT REQUIREMENT					47		117	ug/l			Monthly	Grab			
015 Produced Water Manganese	SAMPLE MEASUREMENT					2		2	mg/l	0		Monthly	Grab			
	PERMIT REQUIREMENT					25		50	mg/l			Monthly	Grab			
015 Produced Water Mercury	SAMPLE MEASUREMENT					0.2		0.2	ug/L	0		Monthly	Grab			
	PERMIT REQUIREMENT					0.6		1.0	ug/l			Monthly	Grab			
015 Produced Water Silver	SAMPLE MEASUREMENT					5		5	ug/L	0		Monthly	Grab			
	PERMIT REQUIREMENT					23		47	ug/l			Monthly	Grab			
015 Produced Water Zinc	SAMPLE MEASUREMENT					0.0		0.0	mg/l	0		Monthly	Grab			
	PERMIT REQUIREMENT					0.9		1.9	mg/l			Monthly	Grab			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.										TELEPHONE		DATE		
John Zager General Manager Mid Continent/Alaska Business Unit												(907) 276-7600		11	04	04
												Dale A. Haines SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
TYPED OR PRINTED																
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)																

See Trading Bay Production Facility Page 3 of 3 for comments.



# COPY

PERMITTEE NAME/ADDRESS (Include Facility Name, Location & Offshore)

NAME Union Oil Company of California  
 ADDRESS Attn: John Zager  
 P.O. Box 196247  
 Anchorage, AK 99519-6247  
 FACILITY Trading Bay Production Facility  
 LOCATION Cook Inlet, Alaska

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)


OMB No. 2040-0004

(2-16)			(17-19)			
AKG-31-5002			015			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	03	01		10	03	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

### COMMENTS PAGE 3 OF 3

- \* Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.  
 Estimated workover fluid flow rate: 0.018428 MGD  
 Estimated completion fluid flow rate: 0.02751 MGD
- \*\* Frequency of pH measurement has been increased to more closely monitor water quality
- \*\*\* Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.
- \*\*\*\* Identified as the most sensitive species.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  John Zager General Manager Mid Continent/Alaska Business Unit	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 Dale A. Haines SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE  (907) 276-7600		DATE  10 04 14		
			AREA CODE	NUMBER	YEAR	MO	DA
TYPED OR PRINTED	COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)						

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

## DISCHARGE MONITORING REPORT (DMR)

Form Approved  
OMB No. 2040-0004REVISED  
04/28/2011

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: UNION OIL COMPANY OF CALIFORNIA (UNOCAL)  
 ADDRESS: P.O. BOX 196247  
 ANCHORAGE, AK 99519-6247  
 FACILITY: TRADING BAY TREATMENT FACILITY  
 LOCATION: COOK INLET, Alaska  
 ATTN: JOHN ZAGER, GENERAL MANAGER

AKG315002	015-A
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 99519  
 MINOR  
 (SUBR 02)  
 PRODUCED WATER AND SAND  
 External Outfall

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2010	03/31/2010

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	*****	*****	*****	*****	No Sample	No Sample	mg/L	NA	Quarterly	GRAB
00610 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Quarterly	GRAB
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	5	5	ug/L	0	Monthly	GRAB
Silver total recoverable	PERMIT REQUIREMENT	*****	*****	*****	*****	23 MO AVG	47 DAILY MX	ug/L		Monthly	GRAB
01079 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	23 MO AVG	47 DAILY MX	ug/L		Quarterly	CALCTD
Silver total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
01079 P 0	PERMIT REQUIREMENT	*****	*****	*****	*****	23 MO AVG	47 DAILY MX	ug/L		Weekly	GRAB
See Comments	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.03	0.03	mg/L	0	Monthly	GRAB
Silver total recoverable	PERMIT REQUIREMENT	*****	*****	*****	*****	0.9 MO AVG	1.9 DAILY MX	mg/L		Monthly	GRAB
01079 Q 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	0.9 MO AVG	1.9 DAILY MX	mg/L		Monthly	GRAB
Zinc, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
01094 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	0.9 MO AVG	1.9 DAILY MX	mg/L		Monthly	GRAB
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
Zinc, total recoverable	PERMIT REQUIREMENT	*****	*****	*****	*****	0.9 MO AVG	1.9 DAILY MX	mg/L		Quarterly	GRAB
01094 P 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	0.9 MO AVG	1.9 DAILY MX	mg/L		Quarterly	GRAB
Zinc, total recoverable	SAMPLE MEASUREMENT	*****	*****	*****	*****	NA	NA	NA	NA	NA	NA
01094 Q 0	PERMIT REQUIREMENT	*****	*****	*****	*****	0.9 MO AVG	1.9 DAILY MX	mg/L		Quarterly	GRAB
See Comments											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE	DATE
John Zager, General Manager		(907) 276-7600	04/28/2011
Mid Continent/Alaska Business Unit			
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

P=MONT. REDUCE (II.G.6.a.1.)  
 Q=MONT INCREASE (II.G.6.a.2.)  
 R=ACCELERATED TESTING (III.A.7)

04/28/2011 Revision: Zinc, total recoverable was misreported.



COPY

PERMITTEE NAME/ADDRESS (Include Facility Name, Location &amp; District)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

NAME Union Oil Company of California  
 ADDRESS Attn: John Zager  
 P.O. Box 196247  
 Anchorage, AK 99519-6247  
 FACILITY Trading Bay Production Facility  
 LOCATION Cook Inlet, Alaska

(2-16)			(17-19)			
AKG-31-5002			015			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	03	01		10	03	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only)			(4 Card Only)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		QUANTITY OR LOADING			QUALITY OR CONCENTRATION							
		(45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM				UNITS	
015 Produced Water Flow Rate *	SAMPLE MEASUREMENT	3.640767	3.777396	MGD					Weekly	Estimate		
	PERMIT REQUIREMENT	Report	Report	MGD					Weekly	Estimate		
015 Produced Water Produced Sand	SAMPLE MEASUREMENT						No Discharge		-	-		
	PERMIT REQUIREMENT						No Discharge		-	-		
015 Produced Water pH**	SAMPLE MEASUREMENT				7.0		7.5	su	0	6 / Month	Grab	
	PERMIT REQUIREMENT				6		9	su		Weekly	Grab	
015 Produced Water Oil and Grease***	SAMPLE MEASUREMENT					21	30	mg/L	0	Weekly	Grab Average	
	PERMIT REQUIREMENT					29	42	mg/L		Weekly	Grab Average	
015 Produced Water Copper	SAMPLE MEASUREMENT					2	2	ug/l	0	Monthly	Grab	
	PERMIT REQUIREMENT					47	117	ug/l		Monthly	Grab	
015 Produced Water Manganese	SAMPLE MEASUREMENT					2	2	mg/l	0	Monthly	Grab	
	PERMIT REQUIREMENT					25	50	mg/l		Monthly	Grab	
015 Produced Water Mercury	SAMPLE MEASUREMENT					0.2	0.2	ug/L	0	Monthly	Grab	
	PERMIT REQUIREMENT					0.6	1.0	ug/l		Monthly	Grab	
015 Produced Water Silver	SAMPLE MEASUREMENT					5	5	ug/L	0	Monthly	Grab	
	PERMIT REQUIREMENT					23	47	ug/l		Monthly	Grab	
015 Produced Water Zinc	SAMPLE MEASUREMENT					0.0	0.0	mg/l	0	Monthly	Grab	
	PERMIT REQUIREMENT					0.9	1.9	mg/l		Monthly	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.						TELEPHONE		DATE		
John Zager General Manager Mid Continent/Alaska Business Unit								(907) 276-7600		11	02	02
								Dale A. Haines SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

See Trading Bay Production Facility Page 3 of 3 for comments.